St Andrew's Church of England VC Primary School
Medium Term Plans- Spring Term

Bullet points in bold relate to the Ready to Progress criteria, produced by DfE and are made a priority by staff.

Ready-to-progress criteria strands	Code
Number and place value	**NPV**
Number facts	**NF**
Addition and subtraction	**AS**
Multiplication and division	**MD**
Fractions	**F**
Geometry	**G**

Nursery

Unit Name	Intended Outcomes
Number, Geometry, Measurement: It's Me, 1, 2, 3!	• Represent 1, 2 and 3. • Sort, match and create 1, 2 and 3. • Compare 1 more or 1 less. • Understand the composition of 1, 2 and 3. • Sort and find circles and triangles. • Use positional language to describe an item in relation to another object.

Reception

Unit Name	Intended Outcomes
Number, Geometry, Measurement: Just Like	*Consolidation Units* • Match a variety of objects by looking for similarities. • Sorting objects into two or three groups. • Compare size, height, amounts and length. • Recognise and create repeating patterns.

Number, Geometry, Measurement: It's Me, 1, 2, 3!	*Consolidation Units* • Represent 1, 2 and 3. • Sort, match and create 1, 2 and 3. • Compare 1 more or 1 less. • Understand the composition of 1, 2 and 3. • Sort and find circles and triangles. • Use positional language to describe an item in relation to another object.
Number, Geometry, Measurement: Light and Dark	*Consolidation Units* • Count sight numbers beyond 5. • Represent 4 and 5. • Sort, match and create 4 and 5. • Compare 1 more or 1 less. • Understand the composition of 4 and 5. • Sort and find squares and rectangles. • Understand the sequence events that happen in the day and night.
Number, Geometry, Measurement: Alive in 5!	• One less. • Representing zero. • Composition and comparing numbers to 5. • Equal and unequal groups. • Composition of numbers to 5 (2 and 3 groups). • Using the term 'altogether'. • Subtraction and addition structures with a part missing. • Comparing mass- heavier and lighter. • Full and empty. • Measuring capacity. • Measuring ingredients.
Number, Geometry, Measurement: Growing 6/7/8	• Representing and sorting 6, 7 and 8. • Matching 6, 7 and 8. • 1 more and 1 less. • Making pairs. • Combining 2 groups. • Adding more. • Comparing height- taller and shorter than. • Comparing length- longer and shorter. • Days of the week. • Measuring height.

	• Measuring time.
Number, Geometry, Measurement: Building 9/10	• Representing and sorting 9 and 10. • Order numbers to 10. • Composition of 9 and 10. • Counting back from 10. • Comparing numbers within 10. • Making 10. • 3-D shape- matching, building, printing. • Patterns.

Year One

Unit Name	Intended Outcomes
Number: Place Value within 20 1NPV-1, 2	• **Count forwards and backwards and write numbers to 20.** • Understand 10 • Numbers 11-20. • Tens and ones. • One more and one less. • **Number line to 20 – use and estimate** • **Compare numbers and groups of objects to 20** • **Order numbers and groups of objects to 20**
Number: Addition and Subtraction within 20 1NF-1 1AS-2	• **Add by counting on within 20.** • **Add ones using number bonds.** • Find and make number bonds to 20. • Doubles • Near doubles • **Subtract 1 using number bonds** • **Subtraction – counting back** • **Subtraction – finding the difference** • **Missing number problems** • Add by making 10. • Related facts. • Compare number sentences.

Number: Place Value (within 50) 1NPV-1, 2	• **Count from 20-50** • Counting to 50 in 10s. • Count by using groups of 10s • Groups of 10s and 1s • Partition 10s and 1s • **Number line to 50** • Estimate on a number line • Counting forward and backwards and representing (tens and ones) numbers to 50. • One more and less.
Measurement: Length and height	• Compare lengths and heights • Measure length using objects • Measure length in cm
Measurement: Mass and volume	• Heavier and lighter • Measure mass • Compare mass • Full and empty • Compare volume • Measure capacity • Compare capacity

Year Two

Unit Name	Intended Outcomes
Measurement: Money 2AS-2	• Count- pounds (notes and coins) and pence. • Choose notes and coins. • Make the same amount. • Compare amounts of money. • Calculate with money. • **Make a pound.** • **Find change**. • Two-step problems.

Number: Multiplication and Division 2MD-1, 2	• **Make and recognise equal groups.** • Add equal groups. • **Introduce the multiplication symbol.** • **Multiplication sentences.** • Use arrays. • **Make equal groups- grouping and sharing**. • **The 2 times-table.** • **Divide by 2.** • Doubling and halving. • Odd and even numbers. • **The 10 times-table**. • **Divide by 10.** • **The 5 times-table.** • **Divide by 5.**
Measurement: Length and Height 2AS-4	• Measure in centimetres. • Measure in metres. • Compare lengths and heights. • Order lengths and heights. • **Four operations with lengths and heights.**
Statistics	• Make tally charts. • Draw and interpret pictograms. • Draw and interpret pictograms with a scale of 2, 5 and 10. • Block diagrams.
Measurement: Mass, Capacity and Temperature	• Compare mass. • Measure in grams and kilograms. • Four operations with mass. • Compare volume and capacity. • Measure in millimetres. • Measure in litres. • Four operations with volume and capacity. • Temperature.

Number: Fractions	• Working with parts and whole. • Make equal parts. • Recognise and find a half. • Recognise and find a quarter. • Recognise and find a third. • Unit and non-unit fractions. • Equivalence of a half and two-quarters. • Find three-quarters. • Count in fractions. • Problem solving with fractions.

Year Three

Unit Name	Intended Outcomes
Number: Multiplication and Division 3NF-3, 3MD-1	• **Multiples of 10** • **Related calculations** • **Reasoning about multiplication** • **Multiply a 2 digit number by a 1 digit number with no exchange** • **Multiply a 2 digit number by a 1 digit number with exchange** • **Link multiplications and division** • **Divide a 2 digit number by a 1 digit number no exchange** • **Divide a 2 digit number by a 1 digit number – flexible partitioning** • **Divide a 2 digit number by a 1 digit number – with remainders** • **Scaling** • **How many ways?**
Measurement: 3NPV-1, 4	• **Measure in metres and cms** • **Measure in millimetres** • **Measure in cms and mms** • Measure in m, cms, and mm • **Equivalent lengths** • Metres, centimetres and millimetres • Compare and add length • Subtract length • What is perimeter?

	•
Fractions 3NF-1, 3F-1,3	• **Understand the denominators of unit fractions** • **Compare and order unit fractions** • **Understand the numerator of non-unit fractions** • **Understand the whole** • **Compare and order non unit fractions** • **Fractions and scales** • **Fractions on a number line** • **Count in fractions on a number line** • **Equivalent fractions on a number line and as bar models**
Mass and capacity	• Use scales • Measure mass in grams and kilograms • Equivalent masses • Compare add and subtract mass • Measure capacity and volume in ml and l • Equivalent capacities and volumes • Compare capacity and volume • Add and subtract capacity and volume

Year Four

Unit Name	Intended Outcomes
Number: Multiplication and Division 4NPV-1, 4NF-1,2, 3, 4MD-1, 3	• **Factor pairs** • **Use factor pairs** • **Multiply by 10** • **Multiply by 100** • **Divide by 10** • **Divide by 100** • **Related facts – m and d** • **Informal written methods of multiplication** • **Multiply 2 digit by 1 digit**

	• **Multiply 3 digit by 1 digit** • **Divide 2 digit by 1 digit** • **Divide 3 digit by 1 digit** • Correspondence problems • Efficient multiplication
Length and perimeter 4G-2	• Measure in kilometres and metres • Equivalent lengths • Perimeter on a grid • Perimeter of a rectangle • Perimeter of rectilinear shape • Find missing lengths in rectilinear shape • Calculate perimeter of rectilinear shape • **Perimeter of regular polygons** • **Perimeter of polygons**
Fractions 4F-1,2,3	• Understand the whole • Count beyond 1 • Partition a mixed number • **Number lines with mixed numbers** • **Compare and order mixed numbers** • Understand improper fractions • **Convert mixed numbers to improper fractions** • **Convert improper fractions to mixed numbers** • Equivalent fractions on a number line • Equivalent fraction families • Add two or more fractions • **Add fractions and mixed numbers** • Subtract two fractions • **Subtract from whole amounts** • **Subtract from mixed numbers**
Measurement: Time 4NF-3	• Tenths as fractions • Tenths as decimals • Tenths on a place value chart • Tenths on a number line • Divide a 1 digit number by 10 • Divide a 2 digit number by 10 • Hundredths as fractions • Hundredths as decimals

	• Hundredths on a place value chart • **Divide a 1 or 2 digit number by 100**

Year Five

Unit Name	Intended Outcomes
Number: Multiplication B 5NF-1, 5MD-3,4	• **Multiply up to a 4-digit number by a 1-digit number** • **Multiply a 2-digit number by a 2-digit number (area model)** • **Multiply a 2 digit number by a 2 digit number** • **Multiply a 3 digit number by a 2 digit number** • **Multiply a 4 digit number by a 2 digit number** • **Solve problems with multiplication** • **Short divison** • **Divide a 4-digit number by a 1 digit number** • **Divide with remainders** • **Efficient division** • **Solve problems with multiplication and division**
Fractions B 5NF-1, 5F-1	• **Multiply a unit fraction by an integer** • **Multiply a non-unit fraction by an integer** • **Multiply a mixed number by an integer** • **Calculate a fraction of a quantity** • **Fraction of an amount** • **Find the whole** • **Use fractions as operators**
Decimals and Percentages 5NPV-1, 2, 3, 4 5F-3	• **Decimals up to 2 decimal places** • **Equivalent fractions and decimals (tenths and hundredths)** • **Equivalent fractions and decimals** • **Thousandths as fractions and decimals and on place value chart** • **Order and compare decimals** • **Round to the nearest whole number** • **Round to 1 decimal place** • Understand percentages • Percentages as fractions and decimals • **Equivalent fractions, decimals and percentages**

Measurement: Perimeter and Area 5G-2	• Perimeter of rectangles • Perimeter of rectilinear shapes • Perimeter of polygons • **Area of rectangles.** • **Are of compound shapes**. • Estimate area
Statistics	• Draw line graphs • Read and interpret line graphs • Read and interpret tables • Two-way tables • Read and interpret timetables

Year Six

Unit Name	Intended Outcomes
Ratio 6AS-1/ MD-1	• **Add or multiply** • Use ratio language • Introduce the ratio symbol • Ratio and fractions • **Scale drawing** • **Use scale factors** • **Similar shapes** • **Ratio problems** • **Proportion problems** • **Recipes**
Algebra 6AS/MD-4	• 1 step function machines • 2 step function machines • Form expressions • Substitution • Formulae • Form equations • Solve 1-step equations • Solve 2-step equations • **Find pairs of values** • **Solve problems with two unknowns**

	•
Decimals 6NPV-4	• Place value within 1 • Place value integers and decimals • Round decimals • Add and subtract decimals • **Multiply by 10, 100 and 1,000** • **Divide by 10, 100 and 1,000** • Multiply decimals by integers • Divide decimals by integers • Multiply and divide decimals in context
Fractions, decimals and percentages	• Decimal and fraction equivalents • Fractions as division • Understand percentages • Fractions to percentages • Equivalent fraction, decimals and percentages • Order fractions, decimals and percentages • Percentage of amount – one step • Percentage of amounts – multi steps • Percentages – missing values
Area, perimeter and volume 6G-1	• **Shapes- same area.** • **Area and perimeter.** • **Area of a triangle – counting squares** • **Area of a right-angled triangle** • **Area of any triangle** • **Area of a parallelogram.** • Volume- counting cubes. • Volume of a cuboid. •
Statistics	• Line graphs. • Dual bar charts • Read and interpret pie charts. • Pie charts with percentages. • Draw pie charts. • The mean.